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OM protein - protein search, using sw model  Run on:  March 16, 2005, 15:48:46; Search time 177 Seconds (without alignments) 454.217 Million cell updates/sec  Title:  US-10-730-034-1  Perfect score: 812  Sequence: 1 YFGKLESKLSVIRNLNDQVLLKKEDELGDRSIMFTVQNED 157  Scoring table: BLOSUM62 Gapop 10.0, Gapext 0.5  Searched: 1612378 seqs, 512079187 residues  Total number of hits satisfying chosen parameters: 1612378  Minimum DB seq length: 0  Maximum DB seq length: 200000000  Post-processing: Minimum Match 10%  Maximum Match 10%  Maximum Match 10%		GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd.	
15:48:46;  NINDQVI  apext 0.5  512079187 res  3 chosen para  3 chosen para  1008	OM protein - pro	tein search, using sw model	
Title: US-10-730-034-1  Perfect score: 812  Perfect score: 812  Sequence: 1 YFGKLESKLSVIRNLNDQVLLKKEDELGDRSIMFTVQNED 157  Scoring table: BLOSUM62     Gapop 10.0 , Gapext 0.5  Searched: 1612378 seqs, 512079187 residues  Total number of hits satisfying chosen parameters: 1612378  Minimum DB seq length: 0  Maximum DB seq length: 200000000  Post-processing: Minimum Match 100%  Maximum Match 100%		March 16, 2005, 15:48:46 ; Search time 177 Seconds (without alignments) 454.217 Million cell updates/sec	
Scoring table: BLOSUM62 Gapop 10.0 , Gapext 0.5 Searched: 1612378 seqs, 512079187 residues Total number of hits satisfying chosen parameters: 1612378 Minimum DB seq length: 0 Maximum DB seq length: 200000000 Maximum DB seq length: 2000000000 Post-processing: Minimum Match 1003	core:	US-10-730-034-1 812 1 yfgklesklsvirnludqvlkkedelgdrsimftvqned 157	
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chosen parameters:		1612378 segs, 512079187 residues	
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Post-processing: Minimum Match 0% Maximum Match 100%	Minimum DB seq l Maximum DB seq l	ength: 0 ength: 2000000000	
Placing CF 92 Sumble CF 93 Stranger	Post-processing:	Minimum Match 0% Maximum Match 100% Listing first 45 summaries	

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Database :

UniProt\_03:\*
1: uniprot\_sprot:\*
2: uniprot\_trembl:\*

## SUMMARIES

30 31	) N N N N N N N N N N N N N N N N N N N	18 20 21 23	10 9 9 8 7 6 6 3 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Result
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22.5 14.3			99.9 99.9 97.3 97.2 81.2 81.2 81.2 80.5 80.5 70.5 70.5 70.5 70.5 70.5 70.5 70.5 7	Query Match
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2 Q6EV48 Q6EV49 2 Q6F0J1 1 FAT2 DROME 2 Q8K4E6 2 Q8K4E7 2 Q7RNN8 2 Q7RNN8 2 Q8V4E8 2 Q8K4E8 2 Q6CIC3 3 Q43031 2 Q43031 2 Q8HZU5 2 Q8HZU5 2 Q8HZU7	Q6ev48 Q6ev49 Q6f0)1 Q6f0)1 Q9vw71 Q9vw71 Q9k4e6 Q8k4e6 Q8k4e8 Q6cic3 Q6123 Q63031 Q8h2u5 Q8h2u7
Q6EV48 Q6EV49 Q6EV49 Q6F0J1 FAT2_DROME Q8K4E7 Q7RNN8 Q8JZN4 Q8JZN4 Q8JZN4 Q8HZU5 Q8HZU5 Q8HZU5 Q8HZU6 Q8HZU6	Q6ev48 Q6ev49 Q6f0)1 Q6f0)1 Q9vw71 Q9vw71 Q9k4e6 Q8k4e6 Q8k4e8 Q6cic3 Q6123 Q63031 Q8h2u5 Q8h2u7
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## ALIGNMENTS

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RESULT IL18 H ID AC Q DT 1 DT 1 DT 1 DT 2 DE ( GN N OC H OC M	8 8 8 8	Que Bee Mat Qy	RA R	ww.
HUMAN  TILS HUMAN  STANDARD; PRT; 193 AA.  Q14116; 075599; 15-JUL-1998 (Rel. 36, Last sequence update) 15-JUL-1998 (Rel. 36, Last sequence update) 25-OCT-2004 (Rel. 45, Last annotation update) 1nterleukin-18 precursor (IL-18) (Interferon-gamma inducing factor) (IFN-gamma-inducing factor) (Interleukin-1 gamma) (IL-1 gamma).  Name=IL18; Synonyms=IGIF; Homo sapiens (Human).  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	61 AVTISVKCEKISXLSCENKIISFKEMNPPDNIKDTKSDIIFFQRSVPGHDNKMQFESSSY 120	Query Match 99.9%; Score 811; DB 2; Length 189; Best Local Similarity 99.4%; Pred. No. 1.5e-67; Best Local Similarity 99.4%; Pred. No. 1.5e-67; Matches 156; Conservative 0; Mismatches 1; Indels 0; Gaps 0; Matches 156; Conservative 0; Mismatches 1; Indels 0; Mismatches 1	SEQUENCE FROM N.A.  SEQUENCE FROM N.A.  Baggero A., De Ambrosis A., Mezzanzanica D., Piazza T., Rubartelli A., Figini M., Canevari S., Ferrini S.;  Figini M., Canevari S., Ferrini S.;  Fa novel isoform of pro-interleukin-18 expressed in ovarian tumors is resistant to caspase-1 and -4 processing.";  Oncogene 0:0-0(2004).  EMBL; AY266351; AAP92112.1;  EMBL; AY266351; AAP92112.1;  InterPro; IPR008996; Cytok IL1_like.  InterPro; IPR008996; Cytok IL1_like.  SEQUENCE 189 AA; 21896 NW; ABBA275CF713A4B6 CRC64;	T 1  O6WMJ7 PRELIMINARY; PRT; 189 AA.  O6WMJ7;  O5-JUL-2004 (TrEMBLrel. 27, Created)  O5-JUL-2004 (TrEMBLrel. 27, Last sequence update)  O5-JUL-2004 (TrEMBLrel. 27, Last annotation update)  D5-JUL-2004 (TrEMBLrel. 27, Last annotation update)  DELTASPRO-IL-18;  Name=IL18;  Name=IL18;  Homo: sapiens (Human).  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  NCBI_TaxID=9606;

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A Strausberg R.L., Peingold E.A., Grouse L.H., Derge J.G.,

Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,

A Altechul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

A Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

A Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

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A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Borak S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

A Richards S., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

A Richards S., Morley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

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VA Willalon D.K., Muzny D.M., Sohevchenko Y., Bouffard G.G.,

A Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

Butterfield Y.S.N., Krzywinski M.I., Skalaka U., Smailus D.E.,

Tend moune count analysis of more than 15,000 full-length human

"Generation and initial analysis of more than 15,000 full-length human
EMBL; D49950; BAA08706.1; -.
EMBL; AF077611; AAX27787.1; -.
EMBL; AF074641; AAX95950.1; -.
EMBL; BC007007; AAH07007.1; -.
EMBL; BC007461; AAH07461.1; -.
EMBL; BC007461; AAH50010.1; -.
PDB; JJ0S; NVR; A=37-193.
OGP; Q14116; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE-96247646; PubMed-8666798; Wighio S., Namba M., Okura T., Hattori K., Nukada Y., Akita K., Ushio S., Namba M., Okura T., Hattori K., Pujii M., Torigoe K., Tanimoto T. Tanabe F., Konishi K., Micallef M., Pujii M., Torigoe K., Tanimoto T. Fukuda S., Ikeda M., Okamura H., Kurimoto M.; "Cloning of the cDNA for human IFN-gamma-inducing factor, expression in Escherichia coli, and studies on the biologic activities of the
                                                                                                                                                                                                                                                        This SWISS-PROT entry is copyright. It is produced through a content the Swiss Institute of Bioinformatics and the EMBL the European Bioinformatics Institute. There are no restrict use by non-profit institutions as long as its content is modified and this statement is not removed. Usage by and for modified and this statement is not removed.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
Yong D., Guixin D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conni B., Kim.S.J., Tinti C., Chun H.S., Joh T.H.;
Submitted (FEB-1997) to the EMBL/GenBank/DBJ databases.
-I- FUNCTION: Augments natural killer cell activity in spleen cells
and stimulates interferon gamma production in T helper type I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TISSUE-Urinary bladder;
MEDLINE-22388257; PubMed-12477932;
Strausberg R.L., Peingold E.A., Gro
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TISSUE-Liver;
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                                                                                                                                                                                                                                                                                                                                                                                                         SUBCELLULAR LOCATION: Secreted.
SIMILARITY: Belongs to the IL-1 family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 mouse cDNA sequences.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Peng X., Yuan J., Qiang B.;
y of human interleukin 18 cDNA.";
ad (JUL-2001) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Lihua H., Haitao W.;
cing of the cDNA for precursor hIL-18.";
) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                    license agreement (See http://www.isb-sib.ch/announce/
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                                                                                                                                                                                                                                                                                                             restrictions
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01-DEC-2001 (TrEMBLrel. 19
01-DEC-2001 (TrEMBLrel. 19
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Matches 156;
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         EMBL; AF380360; AAK57024.1; -...
HSSP; O14116; 1J0S.
GO; GO:0005576; C:extracellular; IEA.
GO; GO:0005149; F:interleukin-1 receptor bi
GO; GO:0006955; P:immune response; IEA.
InterPro; IPR008996; Cytok ILi_like.
InterPro; IPR008996; Cytok ILi_like.
InterPro; IPR0089975; Interleukin_1.
SMART; SM00125; ILi; 1.
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H-InvDB; HIXO10123
MIM; 600953;
GO; GO:0005576; C:e
GO; GO:0004871; F:e
GO; GO:0001525; P:a
GO; GO:00042033; P:c
GO; GO:0042033; P:c
GO; GO:0042033; P:d
GO; GO:0042035; P:i
GO; GO:0042095; P:i
GO; GO:0042095; P:i
GO; GO:0042094; P:i
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GO; GO:0030431; P:e
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CONFLICT
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InterPro; IPR008976; Cytok IL1 like.
SMART; SMO0125; Interleukin_1.
3D-structure.
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GO; GO:0005175; F:cytokine activity; TAS.
GO; GO:0004871; F:signal transducer activity; TAS.
GO; GO:0004871; F:signal transducer activity; TAS.
GO; GO:0001525; P:anglogenesis; IDA.
GO; GO:0001525; P:anglogenesis; IDA.
GO; GO:0004203; P:chemokine biosynthesis; TAS.
GO; GO:004203; P:chemokine biosynthesis; TAS.
GO; GO:0042253; P:immune response; TAS.
GO; GO:0042255; P:induction of apoptosis via death domain rec.
GO; GO:0008625; P:interferon-gamma biosynthesis; TAS.
GO; GO:0042095; P:interfeukin-13 biosynthesis; TAS.
GO; GO:0042091; P:interleukin-2 biosynthesis; TAS.
GO; GO:0042014; P:interleukin-2 biosynthesis; TAS.
GO; GO:0042014; P:positive regulation of activated T-cell pro.
GO; GO:0030431; P:sleep; ISS.
GO; GO:0030431; P:sleep; ISS.
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                                                                                                                  Ying P., Jianxin L.;
Submitted (MAY-2001)
                                                                                                                                                                                 Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                             SEQUENCE FROM
                                                                                                                                                                                                             Homo sapiens
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Primates;
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Interleukin-18.
F -> L (in Ref.
S -> R (in Ref.
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Pred. No. 1.6e
0; Mismatches
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2E500205D1B7E5F7 CRC64;
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                                                             binding;
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